



Vendor Implementation Guide at X12 Version/Release 4010

Effective 02/22/2001

Table of Contents

820	Payment Order/Remittance Advice.....	1
	ISA Interchange Control Header	3
	GS Functional Group Header	5
	ST Transaction Set Header	7
	BPR Beginning Segment for Payment Order/Remittance Advice	8
	TRN Trace	10
	REF Reference Identification	12
	N1 Name.....	13
	ENT Entity.....	14
	NM1 Individual or Organizational Name.....	15
	PER Administrative Communications Contact.....	16
	ADX Adjustment	17
	PER Administrative Communications Contact.....	18
	REF Reference Identification	19
	RMR Remittance Advice Accounts Receivable Open Item Reference	20
	REF Reference Identification	22
	DTM Date/Time Reference	23
	ADX Adjustment	24
	PER Administrative Communications Contact.....	25
	REF Reference Identification	26
	SE Transaction Set Trailer.....	27
	GE Functional Group Trailer	28
	IEA Interchange Control Trailer.....	29
	Example of Payment Order/Remittance Advice	30

820

Payment Order/Remittance Advice

Functional Group=RA

This Draft Standard for Trial Use contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to make a payment, send a remittance advice, or make a payment and send a remittance advice. This transaction set can be an order to a financial institution to make a payment to a payee. It can also be a remittance advice identifying the detail needed to perform cash application to the payee's accounts receivable system. The remittance advice can go directly from payer to payee, through a financial institution, or through a third party agent.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
010	ST	Transaction Set Header	M	1		
020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
035	TRN	Trace	O	1		C1/035
050	REF	Reference Identification	O	>1		
LOOP ID - N1					≥1	
070	N1	Name	O	1		C1/070

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
LOOP ID - ENT					≥1	
010	ENT	Entity	O	1		C&N2/010
LOOP ID - NM1					≥1	
020	NM1	Individual or Organizational Name	O	1		C2/020
070	PER	Administrative Communications Contact	O	>1		
LOOP ID - ADX					≥1	
080	ADX	Adjustment	O	1		C2/080
100	PER	Administrative Communications Contact	O	>1		
LOOP ID - REF					≥1	
110	REF	Reference Identification	O	1		
LOOP ID - RMR					≥1	
150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		C2/150
170	REF	Reference Identification	O	>1		
180	DTM	Date/Time Reference	O	>1		
LOOP ID - ADX					≥1	
210	ADX	Adjustment	O	1		C2/210
230	PER	Administrative Communications Contact	O	>1		
LOOP ID - REF					≥1	
240	REF	Reference Identification	O	1		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	SE	Transaction Set Trailer	M	1		

User:

The State will not combine payments across agencies. For example, ABC Corp. provided services to the Department of Corrections and the Department of Agriculture. Separate 820's would be transmitted, since the State will not combine the payments. If you are expecting payment for more than 999 invoices from a single agency within a payment cycle, more than one 820 will be sent.

PLEASE NOTE: The State will prenote your EFT, but will not test the 820 with you prior to production.

Financial EDI (FEDI) Support Phone Number: (517) 241-8238

Please note: FEDI Support is prepared to only answer questions about this implementation guide. Questions concerning actual production payments should be directed to the appropriate agency.

The State will use an asterisk (*) as an element separator and a back slash (as a segment separator.

The transaction set(s) will be wrapped at eighty characters.

ISA

Interchange Control Header

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 16

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information <u>Code</u> <u>NAME</u> 00 No Authorization Information Present (No Meaningful Information in I02)	M	ID	2/2
ISA02	I02	Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information <u>Code</u> <u>NAME</u> 00 No Security Information Present (No Meaningful Information in I04)	M	ID	2/2
ISA04	I04	Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code</u> <u>NAME</u> ZZ Mutually Defined	M	ID	2/2
ISA06	I06	Interchange Sender ID Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element User: STATEOFMICHIGAN	M	AN	15/15
ISA07	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified User: Any valid X12 4010 value supplied by the receiver. If a third party service provider is being used to process your 820's, this value may have to be obtained from that entity.	M	ID	2/2
ISA08	I07	Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M	AN	15/15

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
		User: Provided by the receiving trading partner. If a third party service provider is being used to process your 820's, this value may have to be obtained from that entity.			
ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4
ISA11	I10	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <u>Code</u> <u>NAME</u> U U.S. EDI Community of ASC X12,and UCS	M	ID	1/1
ISA12	I11	Interchange Control Version Number Description: This version number covers the interchange control segments <u>Code</u> <u>NAME</u> 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) <u>Code</u> <u>NAME</u> 0 No Acknowledgment Requested	M	ID	1/1
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information User: The State will not test. <u>Code</u> <u>NAME</u> P Production Data	M	ID	1/1
ISA16	I15	Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator User: Value will be a greater than symbol (>).	M		1/1

GS

Functional Group Header

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 8

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets <u>Code</u> <u>NAME</u> RA Payment Order/Remittance Advice (820)	M	ID	2/2
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners User: STATEOFMICHIGAN	M	AN	2/15
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by trading partners User: Provided by the receiving trading partner. If a third party service provider is being used to process your 820's, this value may have to be obtained from that entity.	M	AN	2/15
GS04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8
GS05	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M	TM	4/8
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9
GS07	455	Responsible Agency Code Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard <u>Code</u> <u>NAME</u> X Accredited Standards Committee X12	M	ID	1/2
GS08	480	Version / Release / Industry Identifier Code Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed <u>Code</u> <u>NAME</u> 004010 Draft Standards Approved for Publication by ASC X12	M	AN	1/12

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
		Procedures Review Board through October 1997			

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

ST

Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set <u>Code</u> <u>NAME</u> 820 Payment Order/Remittance Advice	M	ID	3/3
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BPR

Beginning Segment for Payment Order/Remittance Advice

Pos: 020 Max: 1
Heading - Mandatory
Loop: N/AElements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BPR01	305	Transaction Handling Code Description: Code designating the action to be taken by all parties <u>Code</u> <u>NAME</u> C Payment Accompanies Remittance Advice	M	ID	1/2
BPR02	782	Monetary Amount Description: Monetary amount	M	R	1/18
BPR03	478	Credit/Debit Flag Code Description: Code indicating whether amount is a credit or debit <u>Code</u> <u>NAME</u> C Credit	M	ID	1/1
BPR04	591	Payment Method Code Description: Code identifying the method for the movement of payment instructions <u>Code</u> <u>NAME</u> ACH Automated Clearing House (ACH)	M	ID	3/3
BPR05	812	Payment Format Code Description: Code identifying the payment format to be used <u>Code</u> <u>NAME</u> CTX Corporate Trade Exchange (CTX) (ACH)	O	ID	1/10
BPR06	506	(DFI) ID Number Qualifier Description: Code identifying the type of identification number of Depository Financial Institution (DFI) User: The originating financial institution qualifier. <u>Code</u> <u>NAME</u> 01 ABA Transit Routing Number Including Check Digits (9 digits)	C	ID	2/2
BPR07	507	(DFI) Identification Number Description: Depository Financial Institution (DFI) identification number User: The originating financial institution.	C	AN	3/12
BPR08	569	Account Number Qualifier Description: Code indicating the type of account User: Originators account type. <u>Code</u> <u>NAME</u> DA Demand Deposit	O	ID	1/3
BPR09	508	Account Number Description: Account number assigned User: Originators account number.	C	AN	1/35

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BPR10	509	Originating Company Identifier Description: A unique identifier designating the company initiating the funds transfer instructions. The first character is one-digit ANSI identification code designation (ICD) followed by the nine-digit identification number which may be an IRS employer identification number (EIN), data universal numbering system (DUNS), or a user assigned number; the ICD for an EIN is 1, DUNS is 3, user assigned number is 9 User: Value will be '386000134V'.	O	AN	10/10
BPR11	510	Originating Company Supplemental Code Description: A code defined between the originating company and the originating depository financial institution (ODFI) that uniquely identifies the company initiating the transfer instructions User: Value = STMICHEFT	O	AN	9/9
BPR12	506	(DFI) ID Number Qualifier Description: Code identifying the type of identification number of Depository Financial Institution (DFI) User: The receiving financial institution. <u>Code</u> <u>NAME</u> 01 ABA Transit Routing Number Including Check Digits (9 digits)	C	ID	2/2
BPR13	507	(DFI) Identification Number Description: Depository Financial Institution (DFI) identification number User: The receiving financial institution.	C	AN	3/12
BPR14	569	Account Number Qualifier Description: Code indicating the type of account User: Receivers account type. <u>Code</u> <u>NAME</u> DA Demand Deposit SG Savings	O	ID	1/3
BPR15	508	Account Number Description: Account number assigned User: Receivers account number.	C	AN	1/35
BPR16	373	Date Description: Date expressed as CCYYMMDD User: The date the State intends to provide good funds to the receiver.	O	DT	8/8
BPR17	1048	Business Function Code Description: Code identifying the business reason for this payment User: Only Table 2 segment positions 10 through 278 will be used. <u>Code</u> <u>NAME</u> VEN Vendor Payment	O	ID	1/3

Syntax:

P0607 -- If either BPR06 or BPR07 are present, then the others are required. C0809 -- If BPR08 is present, then BPR09 is required
P1213 -- If either BPR12 or BPR13 are present, then the others are required. C1415 -- If BPR14 is present, then BPR15 is required
P1819 -- If either BPR18 or BPR19 are present, then the others are required. C2021 -- If BPR20 is present, then BPR21 is required

Semantics:

1. BPR02 specifies the payment amount.
2. When using this transaction set to initiate a payment, all or some of BPR06 through BPR16 may be required, depending on the conventions of the specific financial channel being used.
3. BPR06 and BPR07 relate to the originating depository financial institution (ODFI).
4. BPR08 is a code identifying the type of bank account or other financial asset.
5. BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.
6. BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).
7. BPR14 is a code identifying the type of bank account or other financial asset.
8. BPR15 is the account number of the receiving company to be debited or credited with the payment order.
9. BPR16 is the date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).
10. BPR17 is a code identifying the business reason for this payment.
11. BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.
12. BPR20 is a code identifying the type of bank account or other financial asset.

TRN Trace

Pos: 035	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TRN01	481	Trace Type Code Description: Code identifying which transaction is being referenced <u>Code NAME</u> 1 Current Transaction Trace Numbers	M	ID	1/2
TRN02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: The trace number for this transaction.	M	AN	1/30
TRN03	509	Originating Company Identifier Description: A unique identifier designating the company initiating the funds transfer instructions. The first character is one-digit ANSI identification code designation (ICD) followed by the nine-digit identification number which may be an IRS employer identification number (EIN), data universal numbering system (DUNS), or a user assigned number; the ICD for an EIN is 1, DUNS is 3, user assigned number is 9 User: Value will be '386000134V'.	O	AN	10/10
TRN04	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: Value = STMICHEFT	O	AN	1/30

Semantics:

1. TRN02 provides unique identification for the transaction.
2. TRN03 identifies an organization.
3. TRN04 identifies a further subdivision within the organization.

REF

Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification <u>Code</u> <u>NAME</u> BT Batch Number	M	ID	2/3
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30

Syntax:

R0203 -- At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

User:

This single REF segment is designated for ODFI reporting purposes and may be ignored by the receiver. It will contain the batch number of which this transaction is a part.

N1

Name

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <u>Code</u> <u>NAME</u> PE Payee PR Payer	M	ID	2/3
N102	93	Name Description: Free-form name User: If N101 is equal to 'PE', the value will be the Payee Name. If N101 is equal to 'PR', the value will be 'SOM MAIN FACS'.	C	AN	1/60
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) User: N103/N104 will only be used if N101 = 'PE'. <u>Code</u> <u>NAME</u> G Payee Identification Number	C	ID	1/2
N104	67	Identification Code Description: Code identifying a party or other code User: This value may be asked for by the State when discussing this payment.	C	AN	2/80

Syntax:

R0203 -- At least one of N102 or N103 is required. P0304 -- If either N103 or N104 are present, then the others are required.

User:

Two occurrences of the N1 will be transmitted. One will identify the Payer and the other will identify the Payee.

ENT Entity

Pos: 010	Max: 1
Detail - Optional	
Loop: ENT	Elements: 1

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ENT01	554	Assigned Number	O	N0	1/6
Description: Number assigned for differentiation within a transaction set					

Syntax:

P020304 -- If either ENT02, ENT03 or ENT04 are present, then the others are required. P050607 -- If either ENT05, ENT06 or ENT07 are present, then the others are required. P0809 -- If either ENT08 or ENT09 are present, then the others are required.

User:

Only a single ENT loop will be transmitted since the State is not paying across agencies. The value will always be 1.

NM1

Individual or Organizational Name

Pos: 020	Max: 1
Detail - Optional	
Loop: NM1	Elements: 3

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
NM101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <u>Code</u> <u>NAME</u> AG Agent/Agency	M	ID	2/3
NM102	1065	Entity Type Qualifier Description: Code qualifying the type of entity <u>Code</u> <u>NAME</u> G Government	M	ID	1/1
NM103	1035	Name Last or Organization Name Description: Individual last name or organizational name User: Agency name.	O	AN	1/35

Syntax:

P0809 -- If either NM108 or NM109 are present, then the others are required. C1110 -- If NM111 is present, then NM110 is required

Semantics:

1. NM102 qualifies NM103.

User:

Only a single NM1 will be transmitted per ENT in order to identify the specific agency responsible for the following payments and adjustments.

PER

Administrative Communications Contact

Pos: 070	Max: >1
Detail - Optional	
Loop: NM1Elements: 5	

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named <u>Code</u> <u>NAME</u> AP Accounts Payable Department	M	ID	2/2
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number <u>Code</u> <u>NAME</u> EM Electronic Mail	C	ID	2/2
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable User: Agency E-Mail.	C	AN	1/80
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number <u>Code</u> <u>NAME</u> TE Telephone	C	ID	2/2
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable User: Agency contact phone number.	C	AN	1/80

Syntax:

P0304 -- If either PER03 or PER04 are present, then the others are required. P0506 -- If either PER05 or PER06 are present, then the others are required. P0708 -- If either PER07 or PER08 are present, then the others are required.

User:

A single PER per ENT may be included to provide contact information for the paying agency. This is an optional segment sent only if the appropriate data is provided by the agency.

ADX Adjustment

Pos: 080	Max: 1
Detail - Optional	
Loop: ADX	Elements: 4

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ADX01	782	Monetary Amount Description: Monetary amount	M	R	1/18
ADX02	426	Adjustment Reason Code Description: Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment <u>Code</u> <u>NAME</u> WU Unspecified Recovery	M	ID	2/2
ADX03	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification <u>Code</u> <u>NAME</u> 43 Supporting Document Number	C	ID	2/3
ADX04	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: This will be the Agency Offset Document number for the deduction. It should be referenced if further inquiry is made. The following REF segment will contain a description of the deduction. If a further explanation of the deduction is required, the following PER segment will contain the specific deducting agencies EMail address.	C	AN	1/30

Syntax:

P0304 -- If either ADX03 or ADX04 are present, then the others are required.

Semantics:

1. ADX01 specifies the amount of the adjustment and must be signed if negative. If negative, it reduces the payment amount; if positive, it increases the payment amount.
2. ADX02 specifies the reason for claiming the adjustment.
3. ADX03 and ADX04 specify the identification of the adjustment.

User:

The outer ADX will be used by the State to offset (deduct) miscellaneous amounts that do not apply to a specific RMR payment. The ADX01 value will be subtracted from the total of all RMR04 elements to determine the BPR02.

PER

Administrative Communications Contact

Pos: 100	Max: >1
Detail - Optional	
Loop: ADXElements: 4	

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named <u>Code</u> <u>NAME</u> IC Information Contact	M	ID	2/2
PER02	93	Name Description: Free-form name User: Deducting agencies name.	O	AN	1/60
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number <u>Code</u> <u>NAME</u> EM Electronic Mail	C	ID	2/2
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable User: The deducting agencies EMail address.	C	AN	1/80

Syntax:

P0304 -- If either PER03 or PER04 are present, then the others are required. P0506 -- If either PER05 or PER06 are present, then the others are required. P0708 -- If either PER07 or PER08 are present, then the others are required.

User:

Only a single PER per ADX may be sent. This is an optional segment that will only be sent if the appropriate data is provided by the agency.

REF

Reference Identification

Pos: 110	Max: 1
Detail - Optional	
Loop: REF	Elements: 3

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification <table><tr><td><u>Code</u></td><td><u>NAME</u></td></tr><tr><td>ZZ</td><td>Mutually Defined</td></tr></table>	<u>Code</u>	<u>NAME</u>	ZZ	Mutually Defined	M	ID	2/3
<u>Code</u>	<u>NAME</u>								
ZZ	Mutually Defined								
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: If this is an adjustment against a previous invoice, the vendors invoice number will be sent here if available.	C	AN	1/30				
REF03	352	Description Description: A free-form description to clarify the related data elements and their content User: This element will contain a free form description of the deduction. If further clarification is needed, the preceding PER segment will provide an EMail contact for the deducting agency.	C	AN	1/80				

Syntax:

R0203 -- At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

User:

Only a single REF per ADX will be sent.

RMR

Remittance Advice Accounts Receivable Open Item Reference

Pos: 150	Max: 1
Detail - Optional	
Loop: RMRElements:	

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
RMR01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification <u>Code</u> <u>NAME</u> IV Seller's Invoice Number	C	ID	2/3
RMR02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: This is the vendors invoice number if provided. If the State has no invoice number both RMR01 and RMR02 will be blank.	C	AN	1/30
RMR03	482	Payment Action Code Description: Code specifying the accounts receivable open item(s), if any, to be included in the cash application. User: This element will only be filled if RMR01/RMR02 are blank. <u>Code</u> <u>NAME</u> PO Payment on Account	O	ID	2/2
RMR04	782	Monetary Amount Description: Monetary amount User: This will be the net amount being paid. It will be calculated by taking RMR05 plus or minus any inner ADX01 values.	O	R	1/18
RMR05	782	Monetary Amount Description: Monetary amount User: This is the gross amount being paid prior to any adjustments.	O	R	1/18

Syntax:

P0102 -- If either RMR01 or RMR02 are present, then the others are required. P0708 -- If either RMR07 or RMR08 are present, then the others are required.

Semantics:

1. If RMR03 is present, it specifies how the cash is to be applied.
2. RMR04 is the amount paid.
3. RMR05 is the amount of invoice (including charges, less allowance) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items.
4. RMR06 is the amount of discount taken.
5. RMR08, if present, represents an interest penalty payment, amount late interest paid, or amount anticipation.

User:

No more than 999 RMR loops will be transmitted per ENT. If more than 999 invoice payments are expected from a single agency within a payment cycle, more than one 820 will be sent.

REF Reference Identification

Pos: 170	Max: >1
Detail - Optional	
Loop: RMR	Elements: 3

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification <table><tr><td><u>Code</u></td><td><u>NAME</u></td></tr><tr><td>43</td><td>Supporting Document Number</td></tr></table>	<u>Code</u>	<u>NAME</u>	43	Supporting Document Number	M	ID	2/3
<u>Code</u>	<u>NAME</u>								
43	Supporting Document Number								
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: This is the document number assigned to this payment by the responsible State agency. It should be referenced if further inquiry is required.	C	AN	1/30				
REF03	352	Description Description: A free-form description to clarify the related data elements and their content User: This is the agencies free format description of the payment.	C	AN	1/80				

Syntax:

R0203 -- At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

User:

Only one REF per RMR will be used.

DTM Date/Time Reference

Pos: 180	Max: >1
Detail - Optional	
Loop: RMR	Elements: 2

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time User: DTM01/DTM02 will only be sent if there is an associated invoice date. <table><tr><th><u>Code</u></th><th><u>NAME</u></th></tr><tr><td>003</td><td>Invoice</td></tr></table>	<u>Code</u>	<u>NAME</u>	003	Invoice	M	ID	3/3
<u>Code</u>	<u>NAME</u>								
003	Invoice								
DTM02	373	Date Description: Date expressed as CCYYMMDD	C	DT	8/8				

Syntax:

R020305 -- At least one of DTM02, DTM03 or DTM05 is required. C0403 -- If DTM04 is present, then DTM03 is requiredP0506 -- If either DTM05 or DTM06 are present, then the others are required.

User:

If transmitted, only one DTM per RMR will be used.

ADX Adjustment

Pos: 210	Max: 1
Detail - Optional	
Loop: ADX	Elements: 4

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ADX01	782	Monetary Amount Description: Monetary amount	M	R	1/18
ADX02	426	Adjustment Reason Code Description: Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment User: At present, the only inner ADX amounts will be for tax purposes. The primary use will be to deduct backup withholding, Federal Tax, Social Security and Medicare. <u>Code</u> <u>NAME</u> 55 Tax Deducted	M	ID	2/2
ADX03	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification <u>Code</u> <u>NAME</u> 43 Supporting Document Number	C	ID	2/3
ADX04	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: Document number assigned to this adjustment by the responsible agency. It should be referenced when inquiring. The following PER segment will contain the agencies EMail address.	C	AN	1/30

Syntax:

P0304 -- If either ADX03 or ADX04 are present, then the others are required.

Semantics:

1. ADX01 specifies the amount of the adjustment and must be signed if negative. If negative, it reduces the payment amount; if positive, it increases the payment amount.
2. ADX02 specifies the reason for claiming the adjustment.
3. ADX03 and ADX04 specify the identification of the adjustment.

PER

Administrative Communications Contact

Pos: 230	Max: >1
Detail - Optional	
Loop: ADXElements: 4	

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named <u>Code</u> <u>NAME</u> IC Information Contact	M	ID	2/2
PER02	93	Name Description: Free-form name User: Agency name.	O	AN	1/60
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number <u>Code</u> <u>NAME</u> EM Electronic Mail	C	ID	2/2
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80

Syntax:

P0304 -- If either PER03 or PER04 are present, then the others are required. P0506 -- If either PER05 or PER06 are present, then the others are required. P0708 -- If either PER07 or PER08 are present, then the others are required.

User:

Only a single PER per ADX may be sent. This is an optional segment that will be transmitted only if the appropriate data is provided by the agency.

REF

Reference Identification

Pos: 240	Max: 1
Detail - Optional	
Loop: REF	Elements: 2

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification <u>Code</u> <u>NAME</u> ZZ Mutually Defined	M	ID	2/3
REF03	352	Description Description: A free-form description to clarify the related data elements and their content User: This element will contain a free format description of the adjustment.	C	AN	1/80

Syntax:

R0203 -- At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

User:

Only one REF per ADX will be sent.

SE

Transaction Set Trailer

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9

GE

Functional Group Trailer

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 2

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GE01	97	Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
IEA01	I16	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	N0	1/5
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9

Example: Payment Order and Remittance Advice

The following example is designed to show the States' usage of the 820 for vendor payments. It is not reflective of any real payment, but only to show full document usage.

<u>EDI Transmitted Data</u>	<u>Data Explanation</u>
<u>Table 1 – Header Area</u>	
<i>ST*820*0001\</i>	<p>820 – Transaction Set ID</p> <p>0001 – Transaction Set control number.</p>
<i>BPR*C*20000*C*ACH*CTX*01*111321468*</i> <i>DA*0202060100*386000134V*STMICHEFT*01*</i> <i>222678123*DA*4697700331*20000610*VEN\</i>	<p>C - the payment accompanies the remittance advice.</p> <p>20000 - \$20,000.00 is the payment amount.</p> <p>C - indicates that this is a credit.</p> <p>ACH - the payment method is Automated Clearing House.</p> <p>CTX - the payment format is corporate trade exchange.</p> <p>01 – qualifier saying the value in the next element will be an ABA transit routing number plus check digits.</p> <p>111321468 – ID number of the originating financial institution.</p> <p>DA – qualifier indicating that the following Bank Account Number is a Demand Deposit.</p> <p>0202060100 - originators Bank Account Number.</p> <p>386000134V – originators (States') ID.</p> <p>STMICHEFT – the originator is the State of Michigan.</p> <p>01 – qualifier saying the value in the next element will be an ABA transit routing number plus check digits.</p> <p>222678123 – ID number of the receiving</p>

financial institution.

DA – qualifier indicating that the following Bank Account Number is a Demand Deposit.

4697700331 – receivers Bank Account Number.

20000610 – good funds date of June 10, 2000.

VEN – business reason for the payment is Vendor Payment.

TRN*1*4142*386000134V*STMICHEFT

1 – indicates the trace type code is Current Transaction Trace Numbers.

4142 – control number used to tie funds to the remittance.

386000134V – originators ID.

STMICHEFT – originator is the State of Michigan.

REF*BT*1655

BT – indicates that the next element contains the Batch Number of which this transaction is a part.

1655 – Batch Number.

NI*PE*VENDOR NAME*G*1468113626

PE – the following elements pertain to the Payee.

VENDOR NAME – Payees name.

G – following element is the Payees ID.

1468113626 – Payees ID.

NI*PR*SOM MAIN FACS

PR – following element is the Payor.

SOM MAIN FACS – Payor = State of Michigan

Table 2 – Detail Area

<i>ENT*1\</i>	1 – first and only Entity Loop.
<i>NMI*AG*G*DEPT OF TRANSPORTATION\</i>	AG – following elements specify an agency. G – agency type is governmental. DEPT OF TRANSPORTATION – paying agency.
<i>PER*AP**EM*AGENCY EMAIL*TE* 5175550000\</i>	AP – following elements are for the agencies Accounts Payable Department. EM – following element contains an Email address. AGENCY EMAIL – Agency A/P Email address. TE – following element contains a telephone number. 5175550000 – agencies A/P telephone number.
<i>ADX*1000-*WU*43*85296\</i>	1000- - outer loop negative adjustment amount of \$1,000.00. WU – denotes that this is an unspecified recovery. 43 – following element contains the supporting document number of the adjustment. 85296 – agencies document reference number.

PER*IC*TREASURY DEPT*EM*EMAIL

IC – following elements indicate the agency responsible for the adjustment.

TREASURY DEPT – agency name.

EM – following element is an Email address.

EMAIL – Email address of the responsible agency.

REF*ZZ*66715*OVERPAYMENT

ZZ – following is mutually defined.

66715 – vendors invoice number.

OVERPAYMENT – adjustment explanation.

RMR*IV*147036914000*14000**

IV – following element is the vendors invoice Number.

1470369 – vendors invoice number.

14000 – net payment is \$14,000.00.

14000 – gross payment is \$14,000.00.

REF*43*81349*SAND AND GRAVEL

43 – following elements provide supporting information on the payment.

81349 – agencies document reference number.

SAND AND GRAVEL – payment explanation.

DTM*003*20000512

003 – following element contains the invoice date.

20000512 – May 12, 2000 is the invoice date.

RMR*PO*7000*10000**

PO – following amount is a payment on account.

7000 – net payment on account is \$7,000.00.

10000 – gross payment on account is \$10,000.00.

REF*43*852963*I96 INTERCHANGE 14

43 – following elements provide supporting information on the payment.

852963 – agencies document reference number.

I96 INTERCHANGE 14 – payment description.

ADX*3000-*55*43*258147

3000 - adjustment amount of a negative \$3,000.00.

55 – adjustment is for tax purposes.

43 – following element provides supporting information for the adjustment.

258147 – agencies document reference number.

**PER*IC*DEPT OF TRANSPORTATION*
EM*EMAIL**

IC – following elements provide an informational contact for the preceding adjustment.

DEPT OF TRANSPORTATION – agency to be contacted for further clarification.

EM – following element contains an Email address.

EMAIL – agencies Email address.

REF*ZZBACKUP WITHHOLDING**

ZZ - following is mutually defined.

BACKUP WITHHOLDING - adjustment reason.

SE*21*0001

21 – number of segments in the transaction set.

0001 – document control number. Matches ST02.
